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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/582,393

12/26/2006

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GRE-106us

1617

23410 7590 08/06/2009
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EXAMINER

WOOLWINE, SAMUEL C

ART UNIT

PAPER NUMBER

1637

MAIL DATE

DELIVERY MODE

08/06/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Response to Amendment

In response to the amendment filed 02/17/2009 and the substitute sequence listing submitted therewith, it is noted that the computer-readable form is defective.

The computer readable form was found defective for the following reasons:

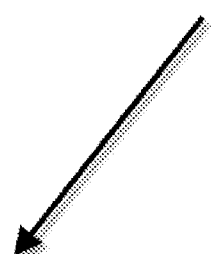
1. As an initial matter, the entry for SEQ ID NO:1 contains the following:

```
<210> 1
<211> 25
<212> DNA
<213> Human papillomavirus

<220>
<221> misc_feature
<223> r is a or g; w is t or a; k is t or g; i is inosine; y is c or t;
      n is a, t, g, or c; d is a, t, or g

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

<400> 1
cargcnaaaw wwktdaarga ytggtg
```



25

The "i is inosine" remark should be removed, as SEQ ID NO:1 does not have any "i" shown in the sequence (and in any case, the symbol "i" is not permitted; see item 2). In fact, the <220>, <221> and <223> indicated can be removed (it is not necessary to specify r, w, k, y or d). The following should remain:

```
<220>

<221> misc_feature
```

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<222> (6) .. (6)

<223> n is a, c, g, or t

2. The new sequences added (SEQ ID NOs:136 and 137) show an "i" in the sequence:

<210> 136

<211> 25

<212> DNA

<213> Human papillomavirus

<220>

<221> misc_feature

<223> r is a or g; i is inosine; w is t or a; k is t or g; d is a, t or
g; y is c or t.

<400> 136

cargciaasaw wwktdaarga ytggtg

25

<210> 137

<211> 25

<212> DNA

<213> Human papillomavirus

<220>

<221> misc_feature

<223> r is a or g; i is inosine; k is t or g.

<400> 137

cargciaaat atktraaaga ttgtg

25

The symbol "i" is not permitted. To represent inosine at this position, the symbol "n" should be used, and the sequence should be annotated thusly:

<220>

<221> misc_feature

<222> (6)..(6)

<223> n = inosine

In addition, there is no need to specify r, w, k, y, or d.

Applicant is required to submit a complete corrected sequence listing, computer-readable form, and a statement as required by 37 CFR 1.821(f).

APPLICANT IS GIVEN ONE MONTH FROM THE DATE OF THIS LETTER WITHIN WHICH TO COMPLY WITH THE SEQUENCES RULES, 37 CFR 1.821-1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136. In no case may an applicant extend the period for response beyond the six month statutory period.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SAMUEL WOOLWINE whose telephone number is (571)272-1144. The examiner can normally be reached on Mon-Fri 9:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Benzion can be reached on (571) 272-0782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Samuel Woolwine/
Examiner, Art Unit 1637